



JC04 Rec'd PCT/PTO 14 JUL 2005

PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Shinichi YOSHIKAWA : **Mail Stop: PCT**
Serial No. 10/534,869 : Attorney Docket No. 2005_0601A
Filed May 12, 2005 :

STANDARD MODEL CREATING APPARATUS
AND STANDARD MODEL CREATING METHOD
[Corresponding to PCT/JP2003/014626
Filed November 18, 2003]

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☐ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application PCT/_____; and/or
- ☐ each reference previously cited in prior parent application Serial No. _____.

1a. [X] This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.G./

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) ☐ the certification of paragraph 2 below is provided, or
(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and
the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

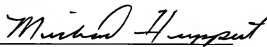
- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☒ the concise explanation contained in the specification of the present application at pages 3, 6 and 8,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ Also enclosed are two (2) articles (**references AC-AD**) which were previously cited in the International Search Report submitted with the IDS filed May 12, 2005 and are listed on the accompanying Form PTO-1449.

Respectfully submitted,

Shinichi YOSHIZAWA

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July 14, 2005

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: July 14, 2005

ATTY DOCKET NO.
2005_0601ASERIAL NO.
10/534,869APPLICANT
Shinichi YOSHIZAWAFILING DATE
May 12, 2005

GROUP



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AB					

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	Shinichi Yoshizawa et al., " <u>MODEL-INTEGRATION TRAINING BASED ON MAXIMUM LIKEIHOOD FOR SPEECH RECOGNITION</u> ", disclosed in a collective treatise of Acoustical Society of Japan, September 17, 2003, pages 105-106.
AD	Yoshizawa et al., " <u>UNSUPERVISED SPEAKER ADAPTATION BASED ON SUFFICIENT HMM STATISTICS OF SELECTED SPEAKERS</u> ", Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP '01), May 7, 2001, volume 1, pages 341-344.
AE	Hihiri Imai, " <u>SPEECH RECOGNITION (Onsei Ninshiki)</u> ", Kyoritsu Shuppan Kabushikigaisha, November 25, 1995 pp. 150-152.
AF	" <u>SPEECH INFORMATION PROCESSING (Onsei Jouhou Shori)</u> ", Morikita Shuppan Kabushikigaisha, June 30, 1988, pp. 100-104.
AG	Kazuo Shigemasu, " <u>INTRODUCTION TO BAYESIAN STATISTIC (Beizu Toukei Nyumon)</u> ", Tokyo Daigaku Shuppankai, April 30, 1995, pp. 42-53.
AH	Shinichi Yoshizawa et al., " <u>UNSUPERVISED METHOD FOR LEARNING PHONOLOGICAL MODEL USING SUFFICIENT STATISTIC AND SPEAKER DISTANCE (Jubuntoukeiryo To Washakuyori Wo Mochitta Onin Moderu No Kyoushi Nashi Gakushuhou)</u> ", the Institute of Electronics, Information and Communication Engineers, March 1, 2002, vol. J85-D-II, No. 3, pp. 382-389.

EXAMINER

/Benjamin Gaddy/

DATE CONSIDERED

12/13/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.G./